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(54) TREATMENT METHOD FOR PREVENTING ELUTION OF LEAD FROM LEAD-CONTAINING COPPER ALLOY

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a method for preventing such a phenomenon that lead elutes from a metal piece for water supply pipe of a water feed apparatus made of a lead-containing copper alloy material into the water in use.

SOLUTION: In the method for preventing the elution of lead into water, as pretreatment, the surface of a metal piece for water feed made of a lead-containing copper alloy material is cleaned with an alkaline degreasing solution containing caustic soda and a surfactant. After being plated by an ordinary nickel-chromium plating process, the metal piece is dipped into a chromium-containing chromate treatment solution containing an aromatic heterocyclic compound such as benzotriazole, or an aqueous solution of phosphoric acid and phosphate, or an acidic solution, or an alkaline solution, or a neutral solution so that a firm film is deposited on the surface.

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